

AL
AND
S, INC.

EPA Region 5 Records Ctr.



291897

Issue

RCRA
Pretreatment
User Charge

Sanitary District
Testing
Consulting

PVS Chemicals, Inc.
12260 S. Carondelet Avenue
Chicago, IL 60633

Attn: Mr. Dale Smyser:

S u b j e c t : Lead
Contamination
Source Survey

EST

Dear Mr. Smyser:

Environmental Monitoring and Technologies has completed the scope of work which is outlined on the following pages. The survey adheres to your "Proposal to Demonstrate Source of Lead Contamination" which is dated January 30th, 1987.

This survey addresses paragraphs (B), & (C) of said proposal. If you have any questions, please do not hesitate to call.

Sincerely,

Mike Gower

Mike Gower
July 13, 1987

Enclosures

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JUL 15 1987

IEPA-DLPC

PVS Chemicals, Inc.

On May 19th, 1987, soil samples were taken at eleven locations around the parameter of the south impoundment. Please see the attached field sketch to determine the location of each excavation.

At each site a backhoe was used to dig a hole to a minimum depth of eighteen inches. A sample was then taken at 6 inches, and labeled as A, a second sample was taken at 12 inches and labeled B, a third sample was taken at 12 inches and labeled C. An equal volume of samples A, B, and C were then composited for each site. Photographs of the excavation sites are available. The composite sample was then transported to our laboratory, TEI Analytical, and the E.P. Toxicity test for lead was performed. The results of these analyses are attached.


On June 25th, 1987, soil samples were taken at five locations inside the south pond. See field sketch to determine the location of each sample site. A hydraulic hole drilling apparatus with a twelve inch bit was used to drill to a depth of 16.5 inches at location number sixteen and to a depth of 15 inches at locations 12, 13, 14 and 15. Samples were taken at six inches and labeled A, a second sample was taken at 12 inches and labeled B, a third sample was taken at 15 inches (16.5 inches as location 16) and labeled C. An equal volume of samples A, B and C were then composited for each site.

PVS Chemicals, Inc.
July 13, 1987
Page 2.

BT

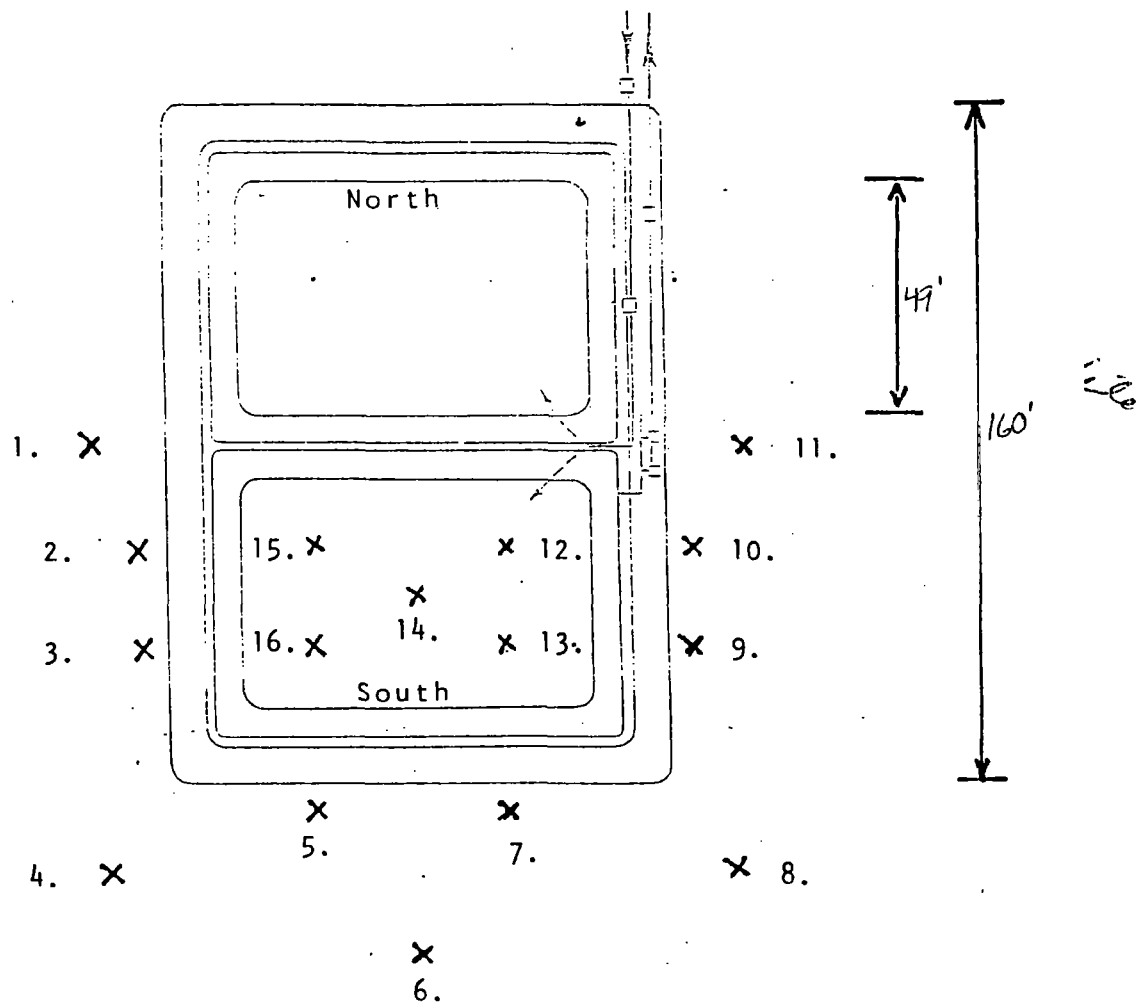
Additionally, sand samples were taken beneath the pond liner. The sand samples and the composite samples were then transported to TEI Analytical. The E.P. Toxicity Test for lead was performed. The results of these analyses are attached.

Report Certified by:


Dr. Edward C. Beck
Registered Professional Engineer

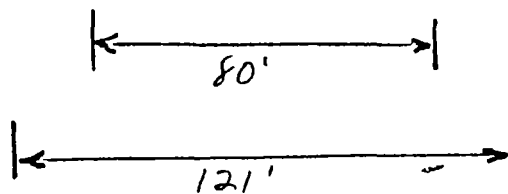
INC. (ILLINOIS)

FOUNDMENT SYSTEM



X = SAMPLE LOCATIONS

NOTE: Perimeter sample points are 5' and 20' from the outside base of the impoundment.



IL, INC.

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LABORATORY REPORT

#6734 - Page 1

Austin
IL 60648

Turn: Mike Gower

SAMPLE

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TEI NO. 43934

SAMPLE IDENTIFICATION: #1

EP Toxicity

Lead 0.08 mg/l

TEI NO. 43935

SAMPLE IDENTIFICATION: #2

EP Toxicity

Lead 0.20 mg/l

TEI NO. 43936

SAMPLE IDENTIFICATION: #3

EP Toxicity

Lead <0.05 mg/l

TEI NO. 43937

SAMPLE IDENTIFICATION: #4

EP Toxicity

Lead 0.37 mg/l

TEI NO. 43938

SAMPLE IDENTIFICATION: #5

EP Toxicity

Lead 0.29 mg/l

Analyses performed using EPA approved methods under the supervision of:

G. E. Marks
Gayle E. Marks, Ph.D.

AL, INC.

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LABORATORY REPORT

#6734 - Page 2

Austin
IL 60648

Mike Gower

SAMPLE
RECEIVED: 05-19-87

TEI NO. 43939
SAMPLE IDENTIFICATION: #6
EP Toxicity
Lead 0.31 mg/l

TEI NO. 43940
SAMPLE IDENTIFICATION: #7
EP Toxicity
Lead 72.2 mg/l

TEI NO. 43941
SAMPLE IDENTIFICATION: #8
EP Toxicity
Lead 2.98 mg/l

TEI NO. 43942
SAMPLE IDENTIFICATION: #9
EP Toxicity
Lead 6.92 mg/l

TEI NO. 43943
SAMPLE IDENTIFICATION: #10
EP Toxicity
Lead 0.55 mg/l

G. E. Marks
Gayle E. Marks, Ph.D.

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MAY 21 1987

LABORATORY REPORT #6734 - Page 3

Justin
AL 60648

Mike Gower

SAMPLE
RECEIVED: 05-19-87

TEI NO. 43944
SAMPLE IDENTIFICATION: #11
EP Toxicity
Lead

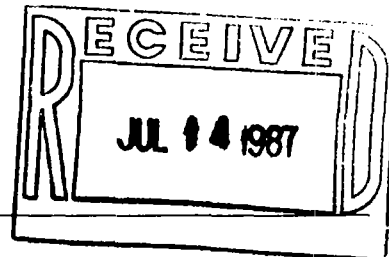
7.45

mg/l

G. E. Marks
Gayle E. Marks, Ph.D.

AL, INC.

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LABORATORY REPORT

#6882 - 1

Austin
IL 60648

Person: Mike Gower

SAMPLE
RECEIVED: 06-25-87 1600

TEI NO. 45339

SAMPLE IDENTIFICATION: Soil Composite #12

EP Toxicity

Lead 1.51 mg/l

TEI NO. 45340

SAMPLE IDENTIFICATION: Soil Composite #13

EP Toxicity

Lead 0.30 mg/l

TEI NO. 45341

SAMPLE IDENTIFICATION: Soil Composite #14

EP Toxicity

Lead 0.33 mg/l

TEI NO. 45342

SAMPLE IDENTIFICATION: Soil Composite #15

EP Toxicity

Lead 0.37 mg/l

TEI NO. 45343

SAMPLE IDENTIFICATION: Soil Composite #16

EP Toxicity

Lead 1.90 mg/l

G. E. Marks
Gayle E. Marks, Ph.D.

JUL 14 1987

LABORATORY REPORT #6891

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Samples received
July 10, 1987

PVS Chemicals

[TEI-45730] Sand Sample 12

EP Toxicity

Lead, mg/l 0.15

[TEI-45731] Sand Sample 13

EP Toxicity

Lead, mg/l 0.21

[TEI-45732] Sand Sample 14

EP Toxicity

Lead, mg/l 0.15

[TEI-45733] Sand Sample 15

EP Toxicity

Lead, mg/l 0.23

[TEI-45734] Sand Sample 16

EP Toxicity

Lead, mg/l 0.20

Gayle E. Marks
Gayle E. Marks, Ph.D.
Laboratory Director